

## CLAIMS

I claim:

1. A discharge valve, comprising:

a valve seat being a tube with open, top and bottom surfaces;

a piston having a head with a bottom surface that is convex across its entirety for engaging said top end of said valve seat and a stem extending upwardly from said head away from said valve seat;

a valve guide having a socket for slidably receiving therein said stem of said piston and a plurality of apertures intersecting said socket for providing pressure relief thereto; and

a resilient member is disposed between said valve guide and said head for normally retaining said head in engagement with said valve seat.